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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/766,495	01/28/2004	Frank P. Difeo	DIFEO-1	3484	
75	90 11/29/2006		EXAM	EXAMINER	
ROBERT NATHANS 36 STAG DRIVE		RICCI, J	RICCI, JOHN A		
BILLERICA, M	_		ART UNIT	PAPER NUMBER	
			3711		
		DATE MAILED: 11/20/2004	DATE MAILED: 11/29/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

Supplemental						
Notice	of Allow	ability				

Application No.	Applicant(s)		
10/766,495	DIFEO, FRANK P.		
Examiner	Art Unit		
John Ricci	3711		

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	John Ricci	3711	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to		•	
2. The allowed claim(s) is/are 24-34.			
3. Acknowledgment is made of a claim for foreign priority unal All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	been received. been received in Application No cuments have been received in this of this communication to file a reply IENT of this application.	national stage applica	quirements
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			IOTICE OF
 5. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the deposit of the deposit of	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C .84(c)) should be written on the drawing the header according to 37 CFR 1.121(sit of BIOLOGICAL MATERIAL r	Office action of ngs in the front (not the d). must be submitted.	
Attachment(s)	_		
1. Notice of References Cited (PTO-892)	5. Notice of Informal P	, , ,	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	 Interview Summary Paper No./Mail Da 		
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date	7. 🛭 Examiner's Amendr		
Examiner's Comment Regarding Requirement for Deposit of Biological Material	 8. ⊠ Examiner's Statement 9. □ Other 	ent of Reasons for Allo	owance
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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Robert Nathans on 11/21/06.

The application has been amended as follows:

25. A yo-yo with a substantially frictionless rotary ball bearing, positioned between two separate halves of rotatable yo-yo members, said substantially frictionless bearing having a shallow concave <u>curved</u> outer surface, <u>uninterrupted by the presence of a groove formed in said outer surface, for contacting a yo-yo string that tends to urge the string towards the center of said substantially frictionless bearing while the string is winding around the bearing, yet allows some lateral movement of the string, enabling efficient performance of yo-yo string layering maneuvers.</u>

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28. A yo-yo with a substantially frictionless rotary ball bearing, positioned upon a spindle between two separate halves of rotatable yo-yo members, said substantially frictionless ball bearing having a smooth continuous <u>curved</u> outer concave surface, <u>uninterrupted by the presence of a groove formed in said outer surface</u>, for supporting a yo-yo string that tends to urge the string towards the center of the bearing while the string is winding around the bearing, yet allows some lateral movement of the string, enabling efficient performance of yo-yo string layering maneuvers.

32. A method of enhancing efficient performance of yoyo string layering maneuvers comprising supplying a yo-yo
manufacturer with a substantially frictionless rotary ball
bearing, configured to surround a spindle positioned
between two separate halves of rotatable yo-yo members,
said substantially frictionless ball bearing having a
shallow <u>curved</u> concave outer surface, <u>uninterrupted by the</u>
presence of a groove formed in said outer surface, for

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contacting a yo-yo string that tends to urge the string towards the center of said substantially frictionless ball bearing while the string is winding around the bearing, yet allows some lateral movement of the string.

* * * * * *

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The references show yo-yos having a ball bearing, with no groove in the surface.

* * * * * *

The following is an examiner's statement of reasons for allowance: The prior art does not disclose a yo-yo having a rotary ball bearing with a curved concave outer surface with no groove, which contacts the yo-yo string and tends to urge the string towards the center of the bearing, yet allows some lateral movement. Isaacson 3,175,326 shows a yo-yo with a ball bearing with a channel 16 having straight sloping sides with a central groove; this is not considered concave, which is defined as "curved like the inner surface"

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of a sphere" (American Heritage Dictionary, Second College Edition). As applicant has pointed out, this system does not allow substantial lateral movement of the string (page 2, bottom paragraph). Although other references such as Van Den Elzen 6,089,945 show a spindle with a concave groove, any combination with Isaacson would defeat the groove 16 required by Isaacson.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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This letter was prepared by Examiner John Ricci, who can be reached at:

Voice: 571-272-4429

Fax: Use 571-273-8300 for papers to be delivered directly to the mail room, like formal amendments and responses, change of address, power of attorney, petitions.

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Use 703-783-0439 for papers to be delivered directly to the Examiner, like informal or proposed responses for discussion, or notes in preparation for an interview.

Response by Fax is encouraged to reduce mail processing time. Please don't send duplicate papers by mail and Fax.

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JOHN RICCI PRIMARY EXAMINER ART UNIT 3711